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ARMY LOGISTICS CENTER FORT LEE VA  
AIR MOVEMENT PLANNING SYSTEM (AMPS). VOLUME I. EXECUTIVE SUMMAR--ETC(U)  
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**LEVEL II**

**DRAFT FINAL REPORT**

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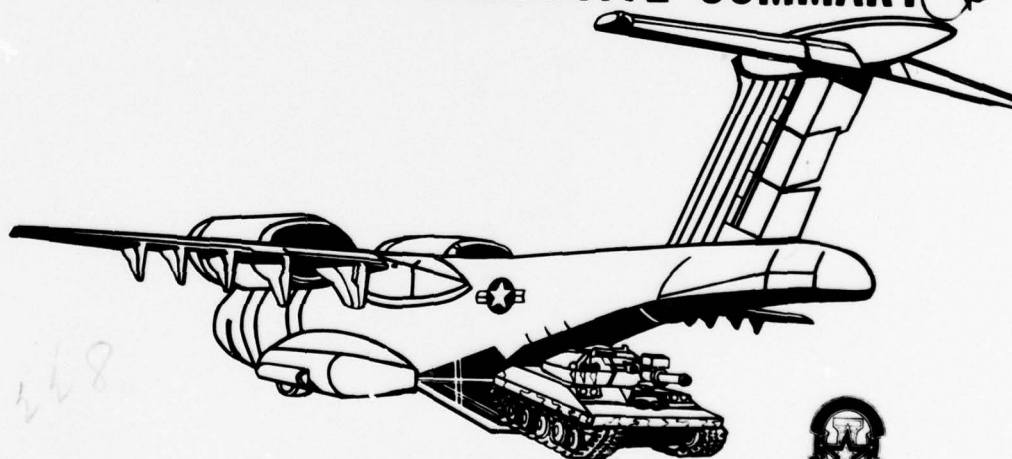


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**APR 6 1979**

**VOLUME I - EXECUTIVE SUMMARY**

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**UNITED STATES ARMY  
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FORT LEE, VIRGINIA 23801**

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UNITED STATES ARMY  
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⑩ Robert S./Saunders, Jay E./Freeman  
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(AMPS).  
VOLUME I.  
EXECUTIVE SUMMARY.

DRAFT

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Draft  
⑨ final rept.

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## FORWARD

This is the Draft Executive Summary Report for the Air Movement Planning System (AMPS). The study report is published in 3 volumes: The Executive Summary, The Users Guide, and The System/Programmers Guide.

The work reported herein was accomplished by the US Army Logistics Center, Fort Lee, Virginia. Functional assistance was provided by the US Army Transportation School, Fort Eustis, Virginia.

Users of this volume are encouraged to recommend changes and submit comments for its improvement. Comments should be keyed to the specific page, paragraph, and line of the text in which the change is recommended. Reasons will be provided for each comment to insure understanding and complete evaluation. Comments should be prepared using DA Form 2028 (Recommended Changes to Publications) and forwarded directly to the Commander, US Army Logistics Center, ATTN: ATCL-OS, Fort Lee, Virginia 23801.

This paper does not purport to represent any official position of the Department of the Army.

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# AIR MOVEMENT PLANNING SYSTEM

## EXECUTIVE SUMMARY

### CHAPTER 1

#### GENERAL SYSTEM INFORMATION

1-1. TITLE. Air Movement Planning System (AMPS).

1-2. SCOPE.

a. The Air Movement Planning System is a computerized method of quickly and effectively planning cargo loads for C-130, C-141, and C-5 aircraft. It is primarily intended for use in Army unit moves, but its inherent flexibility makes it adaptable for movement of most types of cargo under various conditions.

b. The inherent model flexibility provides options that give AMPS a collateral capability in staff and major command planning of movements incident to contingency operations, in support of the strategic and tactical planning at all levels.

1-3. TERMS EXPLAINED. Unique terms are not used in this document. Unique terms used in Volumes II and III are defined in those documents.

1-4. OBJECTIVES.

a. Provide to Army units with an air movement mission an automated method of preparing effective load plans for USAF aircraft that will provide a timely response within the dynamic environment of joint airlift operations. The system must be fast, accurate, make efficient use of aircraft, incorporate commander's priorities, maintain unit integrity, link trailers and/or crews with their respective vehicles and link units with specific aircraft.

b. Present a standard format outlining the results of requirements computations. This is intended to facilitate and expedite Army-Air Force coordination in planning and executing joint air movements.

1-5. OPERATION.

a. AMPS is operational at the US Army Logistics Center via terminal operation to a CDC 6400/6500 data processing system at Data Processing Field Office (DPFO) Fort Leavenworth, Kansas.

b. AMPS has been tested on IBM-360 computers at Fort Bragg, North Carolina, Fort Hood, Texas, and Fort Lee, Virginia.

c. A sample computer run has been included as Appendix A of this document.



## CHAPTER 2

### SYSTEM DESCRIPTION

2-1. **NARRATIVE.** The Air Movement Planning System (AMPS) is a system of computer programs that provides a method for rapidly and efficiently planning and manifesting loads of Army unit equipment and personnel for transport by C-130, C-141, and C-5 aircraft. The programs validate and process input data prepared and maintained by the Army unit describing the cargo to be moved in detail adequate for load planning. The Load Program is controlled by the characteristics of the aircraft being loaded and by parameters and options input by the unit, or by the commander of the force being moved.

2-2. **INPUT.** AMPS is designed to utilize the following types of input.

a. Passenger and Load Data Prepared by the Army Unit.

(1) Passengers are listed either by number of passengers or by passenger name.

(2) Cargo dimensions and weight are described as the items are to be offered to the carrier.

b. Options, Parameters, and Unit Sequence. The Major Army Command headquarters which is responsible for direction of the move prepares the input cards to select the options under which the programs are to be executed and the sequence in which the units are to be loaded.

c. Aircraft. The Major Army Command prepares cards describing the types and quantities of aircraft which are to be loaded, in accordance with information provided by the Military Airlift Command (MAC).

d. Helicopter File. The AMPS project manager at each installation will maintain a file (HELI-FILE) of helicopter type loads for input to AMPS.

2-3. **PROGRAMS.** AMPS includes the following programs:

a. AMPS-VALIDATE PROGRAM (AMPS-VAL). This program edits, sorts, and validates all input data created by the user in accordance with paragraph 2-2 above. The outputs include error diagnostics and a printout of the validated data. AMPS-VAL may be run as a unique program, or it may be run in conjunction with AMPS-LOAD. AMPS-VAL must be the first program executed.

b. AMPS-LOAD PROGRAM (AMPS-LOAD). Utilizing cargo, passenger, and aircraft input in accordance with paragraph 2-2, this program plans aircraft loads following the logical principles used by Air Force MAC loadmasters. Loads are designed to efficiently use the cube and weight capabilities of the aircraft being loaded and, subject to efficiency, follow priorities stated by the units. Cargo items are placed so that the aircraft is within balance limits for safe flight. Passengers are added, within weight limits, when there is adequate space for reasonably comfortable seating. Related cargo items (e.g., truck and trailer) are loaded together, and passengers identified as equipment operators are placed in the same aircraft as the equipment. Output from this program includes a load diagram, cargo manifest, and passenger manifest for each load, and a statistical recapitulation for each unit. A listing of either cargo and passengers not loaded, or aircraft not used, or both are included at the end of the processing run.

c. AMPS HELICOPTER STANDARD LOAD FILE MAINTENANCE PROGRAM (HELI-MAINT). This is a utility program used to update the Helicopter Standard Load File (HELI-FILE) which is used by AMPS-LOAD to control the loading of Army rotary-wing aircraft into USAF transport aircraft.

2-4. DOCUMENTS. In addition to this summary, AMPS includes the following documentation:

- a. Vol II--Functional System Users Guide.
- b. Vol III--System/Programmers Guide.

2-5. FORMS.

- a. AMPS-1.
  - (1) Card type "1," Options; selected by the user. (See Figure 2-1.)
  - (2) Card type "2," Title of Computer Run.
  - (3) Card type "3," Unit Sequence and Unit Combinations; selected by the user.
  - (4) Card type "4," Aircraft Parameters.
- b. AMPS-2. Card type "5." Format for Aircraft Data. (See Figure 2-2.)
- c. AMPS-3. Card type "6," Format for Cargo Data. (See Figure 2-3.)



d. AMPS-4. Card type "6," Format for Passenger Data. (See Figure 2-4.)

2-6. SYSTEM OVERVIEW CHART. See Figure 2-5.

**SEE CHAPTER 2, USER MANUAL, FOR DETAILED INSTRUCTIONS**

PART B - TITLE	
1	1. TITLE
2	2. AUTHOR
3	3. SUBJECT
4	4. DATE
5	5. PRICE
6	6. PUBLISHER
7	7. DISTRIBUTOR
8	8. COUNTRY
9	9. LANGUAGE
10	10. FORM
11	11. TYPE
12	12. NUMBER
13	13. VOLUME
14	14. PART
15	15. CHAPTER
16	16. SECTION
17	17. PAGE
18	18. TOTAL
19	19. TOTAL
20	20. TOTAL
21	21. TOTAL
22	22. TOTAL
23	23. TOTAL
24	24. TOTAL
25	25. TOTAL
26	26. TOTAL
27	27. TOTAL
28	28. TOTAL
29	29. TOTAL
30	30. TOTAL
31	31. TOTAL
32	32. TOTAL
33	33. TOTAL
34	34. TOTAL
35	35. TOTAL
36	36. TOTAL
37	37. TOTAL
38	38. TOTAL
39	39. TOTAL
40	40. TOTAL
41	41. TOTAL
42	42. TOTAL
43	43. TOTAL
44	44. TOTAL
45	45. TOTAL
46	46. TOTAL
47	47. TOTAL
48	48. TOTAL
49	49. TOTAL
50	50. TOTAL
51	51. TOTAL
52	52. TOTAL
53	53. TOTAL
54	54. TOTAL
55	55. TOTAL
56	56. TOTAL
57	57. TOTAL
58	58. TOTAL
59	59. TOTAL
60	60. TOTAL
61	61. TOTAL
62	62. TOTAL
63	63. TOTAL
64	64. TOTAL
65	65. TOTAL
66	66. TOTAL
67	67. TOTAL
68	68. TOTAL
69	69. TOTAL
70	70. TOTAL
71	71. TOTAL
72	72. TOTAL
73	73. TOTAL
74	74. TOTAL
75	75. TOTAL
76	76. TOTAL
77	77. TOTAL
78	78. TOTAL
79	79. TOTAL
80	80. TOTAL
81	81. TOTAL
82	82. TOTAL
83	83. TOTAL
84	84. TOTAL
85	85. TOTAL
86	86. TOTAL
87	87. TOTAL
88	88. TOTAL
89	89. TOTAL
90	90. TOTAL
91	91. TOTAL
92	92. TOTAL
93	93. TOTAL
94	94. TOTAL
95	95. TOTAL
96	96. TOTAL
97	97. TOTAL
98	98. TOTAL
99	99. TOTAL
100	100. TOTAL

ENTER DESIRED TITLE, BEGINNING IN COLUMN 1. LEAVE COLUMNS 73-75 BLANK. LEAVE UNUSED COLUMNS BLANK.

**PART C - UNIT SEQUENCE/COMBINATIONS**

SEE CHAPTER 2, USER MANUAL, FOR DETAILED INSTRUCTIONS

- DO NOT:
- LEAVE BLANKS BETWEEN UID'S AND EITHER COMMA OR PLUS
  - CONTINUE A UID FROM ONE LINE TO ANOTHER.
- BEGIN EACH LINE IN COLUMN 1.
- ENTER UID'S IN PROCESSING SEQUENCE.
  - SEPARATE UID'S WITH A COMMA (,).
  - COMBINE UID'S WITH A PLUS (+).

PART D - AIRCRAFT PARAMETERS

MAKE ENTRIES IN COLUMNS 10-25 AND 41-43 ONLY AS DIRECTED OR APPROVED BY MILITARY AIRLIFT COMMAND.

SEE CHAPTER 2, USER MANUAL.

[illegible]

SEE CHAPTER 2, USER MANUAL, FOR INSTRUCTIONS.

AIRCRAFT DATA

TYPE/ MODEL	QTY	ACL	AIRFIELD		ASG TO UNIT	MISSION IDENTIFIER	MAX PAX PAX	FLS	LLS	C P	AF CND	LEAVE BLANK	C D	SEQ NUMBER
			DEF	ARR										
1	1	0	10	10	10	10	10	10	10	10	10	10	10	10
2	1	0	10	10	10	10	10	10	10	10	10	10	10	10
3	1	0	10	10	10	10	10	10	10	10	10	10	10	10
4	1	0	10	10	10	10	10	10	10	10	10	10	10	10
5	1	0	10	10	10	10	10	10	10	10	10	10	10	10
6	1	0	10	10	10	10	10	10	10	10	10	10	10	10
7	1	0	10	10	10	10	10	10	10	10	10	10	10	10
8	1	0	10	10	10	10	10	10	10	10	10	10	10	10
9	1	0	10	10	10	10	10	10	10	10	10	10	10	10
10	1	0	10	10	10	10	10	10	10	10	10	10	10	10
11	1	0	10	10	10	10	10	10	10	10	10	10	10	10
12	1	0	10	10	10	10	10	10	10	10	10	10	10	10
13	1	0	10	10	10	10	10	10	10	10	10	10	10	10
14	1	0	10	10	10	10	10	10	10	10	10	10	10	10
15	1	0	10	10	10	10	10	10	10	10	10	10	10	10
16	1	0	10	10	10	10	10	10	10	10	10	10	10	10
17	1	0	10	10	10	10	10	10	10	10	10	10	10	10
18	1	0	10	10	10	10	10	10	10	10	10	10	10	10
19	1	0	10	10	10	10	10	10	10	10	10	10	10	10
20	1	0	10	10	10	10	10	10	10	10	10	10	10	10
21	1	0	10	10	10	10	10	10	10	10	10	10	10	10
22	1	0	10	10	10	10	10	10	10	10	10	10	10	10
23	1	0	10	10	10	10	10	10	10	10	10	10	10	10
24	1	0	10	10	10	10	10	10	10	10	10	10	10	10
25	1	0	10	10	10	10	10	10	10	10	10	10	10	10
26	1	0	10	10	10	10	10	10	10	10	10	10	10	10
27	1	0	10	10	10	10	10	10	10	10	10	10	10	10
28	1	0	10	10	10	10	10	10	10	10	10	10	10	10
29	1	0	10	10	10	10	10	10	10	10	10	10	10	10

Fig 2-2. Aircraft Data Input Format.



JOB NO.	DATE	PUNCHED BY	VERIFIED BY	SHEET	NO. OF CDS	C/O																						
						1	2	3	4	5	6	7	8	9	10													
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29

Fig 2-3. Cargo Data Input Format.

SEE CHAPTER 2, USER MANUAL, FOR PREPARATION INSTRUCTIONS.

AIR MOVEMENT PLANNING SYSTEM

PASSENGER DATA

FORM ANPS-4 (TEST)

UIC/TLM	BANK	NAME	SSAN	P X	LEAVE BLANK		VT	LEAVE BLANK	PRI	EOP LINE	QTY	C	LEAVE BLANK																																																																		
					1	2																																																																									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80

JOB NO \_\_\_\_\_

DATE \_\_\_\_\_

PUNCHED BY \_\_\_\_\_

VERIFIED BY \_\_\_\_\_

SHEET \_\_\_\_\_ OF \_\_\_\_\_

NO OF CDS \_\_\_\_\_

Fig 2-4. Passenger Data Input Format.

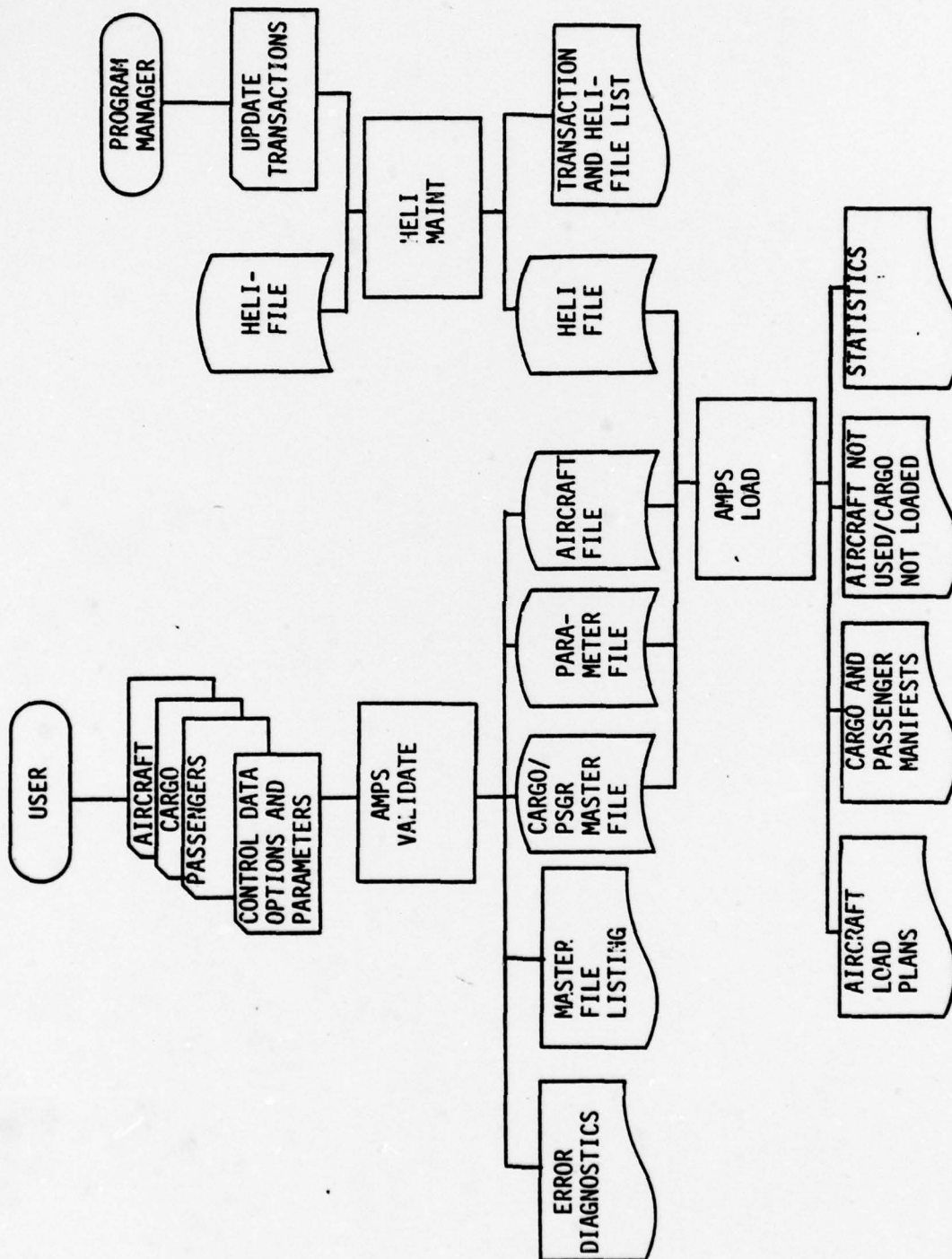


FIGURE 2-5 SYSTEM OVERVIEW CHART



## APPENDIX A

### SAMPLE COMPUTER PROGRAM RUN

A computer run of the AMPS System is presented in this appendix. This output listing represents the results of a typical run of the documented operational version of the model.

12	11	10	9	8	7	6	5	4
----	----	----	---	---	---	---	---	---

PRE DIAGNOSTICS

.....

.....

12  
11  
10  
9  
8  
7  
6  
5  
4  
3

.....

### SAMPLE RUN FOR EXECUTIVE SUMMARY

12  
11  
10  
9  
8  
7  
6  
5  
4  
3



AIR MOVEMENT PLANNING SYSTEM

U.S. ARMY LOGISTICS CENTER, FORT LEE, VIRGINIA

DATE 12/09/78

TIME 22:14:07 2

2

# SAMPLE RUN FOR EXECUTIVE SUMMARY DIAGNOSTICS OF INPUT

CAVCS	CAVCS
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

GENERAL CARRCO

0000017610008300798008001 C00X6

12	11	10	9	8	7	6	5	4	3
----	----	----	---	---	---	---	---	---	---

ALM MCMURRY PLANNING SYSTEM U.S. ARMY LOGISTICS CENTER, FORT LEE, VIRGINIA DATE 12/06/73 TIME 22:14:07 3

\*\*\*\*\*  
SAMPLE RUN FOR EXECUTIVE SUMMARY

CF 16 ..... GENERAL CARGO ..... (0046)  
 CF 16 ..... CCCEU1761808300798008001





AIR REVENUE PLANNING SYSTEM U.S. ARMY LOGISTICS CENTER, FORT LEE, VIRGINIA DATE 12/05/76 TIME 22:14:11 5  
\*\*\*\*\* SAMPLE RUN FOR EXECUTIVE SUMMARY \*\*\*\*\*

PRIORITY DATA

U I D	CUTSIZE	CARGO WEIGHT	PRIORITY	COMBINED LID
CATG5			1	
CATG6			2	

12  
11  
10  
9  
8  
7  
6  
5  
4  
3

AIR MOVEMENT PLANNING SYSTEM U.S. ARMY LOGISTICS CENTER, FORT LEE, VIRGINIA DATE 12/05/78 TIME 22:14:11 6

\*\*\*\*\* SAMPLE RUN FOR EXECUTIVE SUMMARY \*\*\*\*\*

HL	CARD	NO	EO	NO	UNIT	GENE	NO-	LINE	
LIST	DECK	CIAG	MATE	SCOPE	PRIM	INTEG	NATE	COP	COUNT
					X			1	55

12  
11  
10  
9  
8  
7  
6  
5  
4  
3





FIN MOVEMENT PLANNING SYSTEM U.S. ARMY LOGISTICS CENTER, FORT LEE, VIRGINIA DATE 12/05/78 TIME 22:14:11 8

\*\*\*\*\*  
SAMPLE RUN FOR EXECUTIVE SUMMARY  
PARAMETERS IN EFFECT

SINGLE ITEM LIMITS

	LTN	WTN	MTN	WEIGHT	ACL	PCG	MIX
CS	559	228	156	200000	110000	1275	
C141	800	122	108	50000	50000	900	
C130	500	122	108	30000	30000	530	
FILL	200	115	80	7500	*****	*****	*****

DEFAULT PASSENGER WEIGHT = 240  
SCHEMATIC PRINT WIDTH = 18

12  
11  
10  
9  
8  
7  
6  
5  
4  
3





ATK MOVEMENT PLANNING SYSTEM U.S. ARMY LOGISTICS CENTER, FORT LEE, VIRGINIA DATE 12/15/78 TIME 22:14:12 10

\*\*\*\*\* SAMPLE RUN FOR EXECUTIVE SUMMARY \*\*\*\*\*

MASTER-RECORDS = 00027

AIRCRAFT = 00004

AVAIL PASS = 00020

REJECTS = 00000

PRE REJECTS = 00000

12  
11  
10  
9  
8  
7  
6  
5  
4  
3











\*\*\*\*\* SAMPLE RUN FOR EXECUTIVE SUMMARY \*\*\*\*\*

\*\*\*\*\* AIRCRAFT DATA \*\*\*\*\*  
\*\*\*\*\* CARRIER NO. 404C MOD 4 \*\*\*\*\*  
\*\*\*\*\* MFC 4CATS 4 C-141 4 KMK 4 BLK SHEEP 1 4 50-000 4 812 4 MPOB 4 1 4 3 \*\*\*\*\*  
\*\*\*\*\* CHALK NO. \*\*\*\*\*

PASSENGER MANIFEST

LINE	RANK	NAME	SSN	WEIGHT	UNIT	ARMY
1		TRK DRIVER		240	CATG5	PRY
2		TRK DRIVER		240	CATG5	PRY
3		PASSENGER		240	CATG5	
4		PASSENGER		240	CATG5	
TOTALS				960		

AIR MOVEMENT PLANNING SYSTEM

LOAD PLANNED BY-----  
DATE-----12/05/78  
SIGNATURE OF LOADING AGENT-----  
DATE-----  
SIGNATURE OF UNLOADING AGENT-----  
DATE-----

I CERTIFY THAT A CHECK OF ALL PASSENGERS ON THIS FLIGHT AND A PHYSICAL SEARCH OF HAND CARRIED ITEMS WAS CONDUCTED IMMEDIATELY PRIOR TO DEPARTURE FROM THE TERMINAL FACILITY AND THAT NO UNAUTHORIZED EXPLOSIVES OR WEAPONS WERE FOUND AND ALL AUTHORIZED WEAPONS WERE CLEARED.

SIGNATURE OF AIRCRAFT TRUCK COMMANDER-----  
DATE-----







SAMPLE RUN FOR EXECUTIVE SUMMARY

\*\*\*\*\*INCHART DATA\*\*\*\*\*  
 000 CARRIER, 50 TU, 42/C MUD 0  
 000 M-C CATGS 4 C-130 4 KGRK 0 BLK SHEEP 2 0 30,000 0 512 0 MPEB 0 4 0 3  
 \*\*\*\*\*

PASSENGER MANIFEST

LINE#	MARK	NAME	SSAN	WEIGHT	UNIT	BUMPH
1	TKR	DRIVEN		240	CATGS	PR2
2	TKR	DRIVEN		240	CATGS	PR2
TOTALS				480		

LOAD PLANNED BY: AIR MOVEMENT PLANNING SYSTEM

DATE: 12/05/78

SIGNATURE OF LOADING AGENT

DATE:

SIGNATURE OF UNLOADING AGENT

DATE:

I CERTIFY THAT A CHECK OF ALL PASSENGERS ON THIS FLIGHT AND A PHYSICAL SEARCH OF HAND CARRIED ITEMS WAS CONDUCTED IMMEDIATELY PRIOR TO DEPARTURE FROM THE TERMINAL FACILITY AND THAT NO UNAUTHORIZED EXPLOSIVES OR WEAPONS WERE FOUND AND ALL AUTHORIZED WEAPONS WERE CLEARED.

SIGNATURE OF AIRCRAFT TROOP COMMANDER

DATE:



**SAMPLE RUN FOR EXECUTIVE SUMMARY**

## STATISTICS

\*\*\*\*\*TYPE A/C---NOT LOADED---LOADED

0  
1  
---5-J---

[illegible]

--067-3--

[illegible]

	0	---
	0	--5--
	0	-----

0000000000--(-14)-- 89 72

93 64

\*\*\*\*\*CARGO\*\*\*\*\*NOT LOADED\*\*\*\*\*

```
00000000--LARGEJ---NOT LOADED--LOADED  
00000000--STANDARD-    11      8
```

STANDARD  
00000000--OUTSIDE- 0

\*\*\*\*\*PASSENGERS\*\*\*\*\* 22 6

NEXT UNIT CALLED (2)  
PASS-EPUR 020

12	11	10	9	8	7	6	5	4	3
----	----	----	---	---	---	---	---	---	---



SAMPLE RUN FOR EXECUTIVE SUMMARY

ITEM-NO	UNIT	CO	DESCRIPTION	QUANTITY	WEIGHT	HEIGHT	WIDTH	LENGTH	NUMBER	MISSION	AREA	DEPART	ARRIVAL	CHALK	NO.	SPACE-NO.
1	CAT66	TRK	GM	10	131	64	66	2,330	1,563	3,441,790	1,513	58	-	-	-	-
2	CAT66	P884	1	174	1	TRK	PK3	210	85	104	8,500	1,687	14,135,500	1,577	123	-
3	CAT66	P884	1	174	1	TRK	PK4	210	85	104	8,500	1,687	14,135,500	1,577	123	-
SUBTOTALS																
TOTALS																

LOAD PLANNED BY																
DATE																
SIGNATURE OF LOADING AGENT																
DATE																
SIGNATURE OF UNLOADING AGENT																
DATE																









THIS AIRCRAFT NOT USED FOR 04 PACCC-130C 2166  
THE AIRCRAFT FILE HAS BEEN SEARCHED 5 TIMES

PURCHASER FILE RESTORED AT BUREAU = 000000  
THIS AIRCRAFT NOT USED FOR 64ACC-308276  
THE AIRCRAFT FILE HAS BEEN CORRECTED 5 TIMES  
FILE WOULD BE REDUNDANT

1 KPLPKRKKK0300000000CC0000000CZ0002

1



\*\*\*\*\*

SAMPLE RUN FOR EXECUTIVE SUMMARY

\*\*\* CARCLO-PASSENGERS NOT LLACEE \*\*\*

1.	CATC5	M884 J 1/4 T TRK	0C00000000PRZ	082100051040000500110
35	CATC6	TRK DRIVER	0C00000000PRV	02 000240
36	CATC6	TRK DRIVER	0C00000000PRV	02 000240

\*\*\*\*\*  
SAMPLE RUN FOR EXECUTIVE SUMMARY

\*\*\* AIRCRAFT NOT USED \*\*\*

MACC-130LAT66 NHT SHEEP 1 KFDKGRK030000000

12  
11  
10  
9  
8  
7  
6  
5  
4  
3



\*\*\*\*\*  
SAMPLE RUN FOR EXECUTIVE SUMMARY

END OF JOB

12  
11  
10  
9  
8  
7  
6  
5  
4  
3

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13. ABSTRACT The Air Movement Planning System (AMPS) is a computerized method for quickly and effectively planning cargo loads for C-130, C-141, and C-5 aircraft. It is primarily intended for use in Army unit moves, but its inherent flexibility makes it adaptable for movement of most types of cargo under various conditions. AMPS provides the user with an air movement mission an automated method of preparing effective load plans for USAF aircraft that will provide a timely response within the dynamic environment of joint airlift operations. The system is fast, accurate, makes efficient use of aircraft, incorporates commander's priorities, maintains unit integrity, links trailers and/or crews with their respective vehicles, and links units with specific aircraft.			

DD FORM 1473

REPLACES DD FORM 1473, 1 JAN 64, WHICH IS  
OBSOLETE FOR ARMY USE.

Security Classification



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14.

KEY WORDS

LINK A

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LINK C

ROLE

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Air Movement Planning System  
Model  
Simulation  
Transportation  
Aircraft  
Airlift  
AMPS  
C-130  
C-141  
C-5  
C-5A  
Cargo Loads  
Air Movement of Helicopters  
Air Movement Planning, Automated  
Planning System  
Helicopters  
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